



Steel Grade: ASTM L6 UNS T61206									
CHEMICAL COMPOSITION									
C(%)	Si(%)	Mn(%)	P(%) ≤	S(%)②	Cr(%)	Mo(%)	V(%)	W(%)	Other①
0.65~0.75	0.10~0.50	0.25~0.80	0.03	0.03	0.60~1.20	≤0.50	—	—	Ni1.25~2.00
HARDNESS AND HEAT TREATMENT									
Hardness HBS After Annealing	Hardness HBS After Cold Drawing	Preheating Temperature /°C	Quenching/°C Salt-bath Furnace	Quenching/°C Atmosphere Furnace	Holding Time/min	Quenching Medium	Tempering/°C	Hardness ≥ HRC After Tempering	
235	262	649	816	829	5~15	Oil Cooling	204	58	

Remark:

- ①, Residual elements content: Ni + Cu ≤ 0.75%.
- ②, A,D,H series to improve machinability, sulfur content can be increased to $\omega(S)0.06\% \sim 0.15\%$.
- ③, Increase the H13 sulfur, the upper limit of manganese content can reach $\omega(Mn)1.00\%$.
- ④, It also have Al which is $\omega(Al)1.05\% \sim 1.25\%$.
- ⑤, P20 and P21 usually to pre hardened state supplies.
- ⑥, After tempering hardness L2 refers to the hardness of $\omega(C)0.45\% \sim 0.55\%$.
- ⑦, It standard is ASTM A681-1999.

From: Jiangyou Hacer Technology Co., Limited
Factory Add: Jiangzhang Road, Jiangyou City, SC, China
Website: <https://www.jhacer.com/>
Email: sales@jhacer.com
Phone: +86-(0)816-3260757
Call: +86-13658128897(WhatsApp)